

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Cinnamomum aromaticum***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
38	(-)-EPICATECHIN	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
67	1,8-CINEOLE	Bark	--	--		Wealth of India.
67	1,8-CINEOLE	Plant	--	--		
2	3-PHENYL-PROPYL-ACETATE	Plant	--	--		
28	ALPHA-PINENE	Plant	--	--		
28	ALPHA-PINENE	Bark	--	--		Wealth of India.
13	ALPHA-TERPINENE	Plant	--	--		
23	ALPHA-TERPINEOL	Plant	--	--		
23	ALPHA-TERPINEOL	Bark	--	--		
112	ASCORBIC-ACID	Bark	309	309	0.13185661758936892	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
24	BENZALDEHYDE	Bark	--	--		
20	BENZOIC-ACID	Bark	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
17	BENZYL-BENZOATE	Leaf	1800	22500	1	Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
17	BENZYL-BENZOATE	Plant	--	--		
53	BETA-CAROTENE	Bark	1	2	-0.7112344242846967	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	BETA-PINENE	Plant	--	--		
13	BETA-PINENE	Bark	--	--		Wealth of India.
3	BETA-SELINENE	Plant	--	--		
28	CALCIUM	Bark	4900	13569	-0.48777912900429643	
4	CALCIUM-OXALATE	Plant	--	--		
9	CAMPHENE	Plant	--	--		
3	CHAVICOL	Plant	--	--		
7	CHLORINE	Bark	70	70	-1.5000780985604363	
24	CHROMIUM	Bark	1	1	-0.48598491785883197	
1	CINCASSIOL-D-4	Plant	--	--		
1	CINCASSIOL-D-4	Bark	--	--		Wealth of India.
60	CINNAMALDEHYDE	Bark	80	1900	-1	
18	CINNAMIC-ACID	Bark	--	--		Wealth of India.
3	CINNAMYL-ACETATE	Plant	--	--		
3	CINNAMYL-ACETATE	Bark	--	--		
6	CINNAMYL-ALCOHOL	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	CINNAMYL-ALCOHOL	Bark	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
12	COPPER	Bark	2	10	1.8708286933869704	
57	COUMARIN	Bark	--	--		
5	CRESOL	Plant	--	--		
10	CUMINALDEHYDE	Bark	--	--		Wealth of India.
10	CUMINALDEHYDE	Plant	--	--		
3	DECANOIC-ACID	Plant	--	--		
40	EPICATECHIN	Bark	--	--		
2	ETHYL-CINNAMATE	Plant	--	--		
76	EUGENOL	Leaf	2.8	400	-0.7691912627599603	
76	EUGENOL	Bark	1.8	375	-0.690064810647921	
76	EUGENOL	Plant	--	--		
17	FARNESOL	Plant	--	--		
6	FENCHONE	Plant	--	--		
6	FENCHONE	Leaf	--	--		Wealth of India.
15	FIBER	Bark	270000	270000	1.0512083111257384	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	FURFURAL	Plant	--	--		
11	GAMMA-TERPINENE	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	GERANIAL	Plant	--	--		
18	GUAIACOL	Plant	--	--		
18	GUAIACOL	Bark	--	--		Wealth of India.
2	HEXANOIC-ACID	Plant	--	--		
3	HEXANOL	Plant	--	--		
3	HEXANOL	Leaf	--	--		Wealth of India.
2	HUMULENE	Plant	--	--		
12	IODINE	Bark	1	1	-1	
6	IRON	Bark	25	421	0.988562022605988	
16	ISOEUGENOL	Plant	--	--		
60	LIMONENE	Bark	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
53	LINALOOL	Leaf	0.6	1.5	-0.6464051224345422	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
53	LINALOOL	Bark	2.5	32	-1.1955124013453908	Wealth of India.
65	MAGNESIUM	Bark	770	1680	-0.04773619944219244	
14	MANGANESE	Bark	167	600	3.337609687601768	
1	MELILOTIC-ACID	Bark	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	MERCURY	Bark	60	60	1.7318980549844427	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
1	MERCURY	Plant	--	60	2.8767265147515726	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
4	METHYL-BENZOATE	Plant	--	--		
6	METHYL-CHAVICOL	Plant	--	--		
5	METHYL-CINNAMATE	Plant	--	--		
20	METHYL-EUGENOL	Bark	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
21	METHYL-SALICYLATE	Bark	--	--		Wealth of India.
21	METHYL-SALICYLATE	Plant	--	--		
3	MUCILAGE	Bark	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
2	NONANOIC-ACID	Plant	--	--		
1	O-ANISALDEHYDE	Plant	--	--		
6	O-METHOXYCINNAMALDEHYDE	Bark	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
5	OCTANOIC-ACID	Plant	--	--		
25	OPC	Bark	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
16	P-CYMENE	Plant	--	--		

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26	PHENOL	Plant	--	--		
4	PHOSPHORUS	Bark	1000	1000	-0.17573390155376353	
14	POTASSIUM	Bark	3020	15500	2.05417764366398	
17	PROCYANIDIN-A-2	Bark	--	--		
1	PROCYANIDIN-B-1	Bark	--	--		
1	PROCYANIDIN-B-2	Bark	--	--		
27	PROCYANIDINS	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
15	RIBOFLAVIN	Bark	1	2	-0.373874772923094	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	SABINENE	Plant	--	--		
29	SAFROLE	Plant	--	--		
34	SALICYLIC-ACID	Plant	--	--		
1	SODIUM	Bark	42	287	-0.13196665474928823	
3	STYRENE	Plant	--	--		
14	SULFUR	Bark	1200	1200	-0.12803687993289598	
35	TANNIN	Plant	--	--		
35	TANNIN	Bark	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
23	TERPINEN-4-OL	Plant	--	--		
9	TERPINOLENE	Plant	--	--		

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31	THIAMIN	Bark	1	1	-0.0940720868383599	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	TRANS-CINNAMALDEHYDE	Plant	--	--		
7	TRANS-CINNAMALDEHYDE	Bark	3000	23750	-1	Charalambous, G. (Ed.). 1994. Spices, Herbs and Edible Fungi. Elsevier Science B. V. Amsterdam. 764 pp.
7	TRANS-CINNAMALDEHYDE	Leaf	3000	5390	1	
77	ZINC	Bark	4	10	-0.27207069859955574	